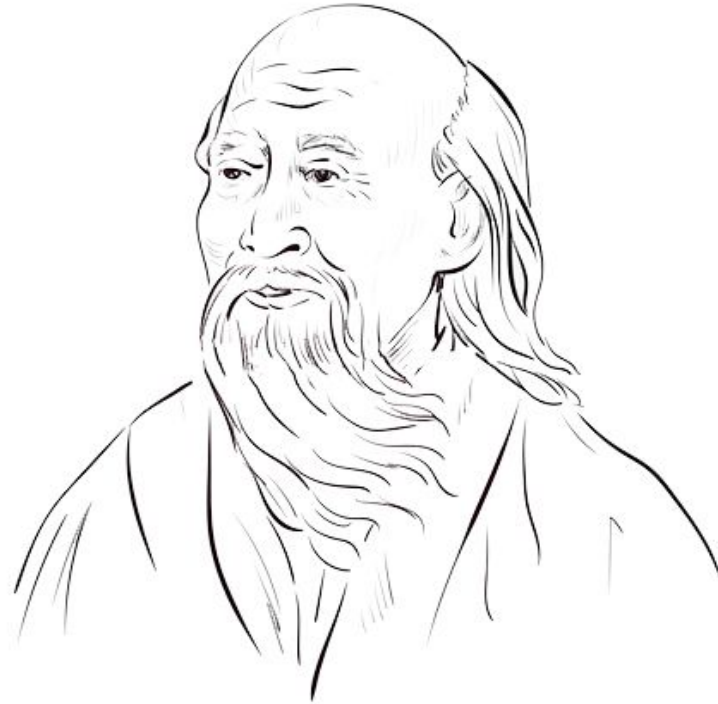


**“If you do not change direction,
you may end up where you are
heading.”**

- *Lao Tzu*



Agenda for today

- Recap of 8 days
- What's Next?
 - Device
 - Network
 - Cloud
 - Data
- Learning sources
 - Resources
 - Conferences
 - Competitions
 - Workshops
 - Events
- Wrap up

Recap:

1. IoT fundamentals and 4 major components
2. Hardware platforms and how to program them
3. Sensors, their types, and how to work with them
4. Actuators, their types, and how to work with them
5. Making device part of a network
6. Cloud, its applications, and how to use one
7. Building an industrial application: Dashboard, control centre, etc.
8. Making some real word projects

What's Next?

Device

- Learn to program in C/C++
- Real time operating systems
- Writing firmware for a production ready device
 - Resource optimization
 - Security
- PCB Designing
- Product Design
- Programming devices in a large scale

Network

- I. Other Physical layer protocols
 - a. Bluetooth, BLE, Cellular, Thread, Zigbee, LoRa, Z-Wave, etc.
2. Application layer protocols
 - a. LoRaWAN, AMQP, CoAP, Thread, Matter, etc.

Cloud

1. Google IoT core
2. Azure IoT
3. Balena Cloud
4. Cisco IoT
5. IBM Watson IoT
6. Oracle IoT
7. Cayenne
8. Blynk
9.

Application

1. Node-RED
2. ThingsBoard
3. Grafana
4. Blynk
5.

Learning sources

Conferences:

1. **Works with:** Silicon labs
2. **Developer conference:** Espressif
3. **The Things Conference:** The things industries

Workshops:

1. Silicon labs workshop series
2. Workshops and online events by other companies
 - a. Espressif
 - b. Nvidia
 - c. Microchip
 - d. Amazon's AWS
 - e. Edge Impulse
 - f. The Things Industries
 - g.

Learning resources:

1. **Microchip university:** Microchip
2. **Recorded Conferences and workshop:** Silicon labs, The things industries, developer conferences by different companies etc.
3. **Free courses:** Coursera, Edex, MIT opencourseware, etc.
4. **YouTube channels:** Andreas Spiess, Espressif, AWS IoT, Interesting Engineering, other company's official channels
5. **Learning resources of different companies:** Microsoft, AWS learning, Google learning, Espressif documentations, etc.
6. **Newsletter** from the tech blogs, publications, and companies
7. Following Industry veterans on LinkedIn



Wishing you all a prospering future
ahead



Thank you



GROUP VENTURES

